

U.S. Serial No. 10/028,465

CLAIM AMENDMENTS:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Currently Amended) A protected ~~organic-optoelectronic~~ OLED device comprising:
 - (a) a substrate;
 - (b) an active region positioned on said substrate, said active region comprising an anode layer, a cathode layer and a light-emitting layer disposed between the anode layer and the cathode layer;
 - (c) a first protective layer of a first material disposed over the active region, said first material comprising an organometallic material; and
 - (d) a second protective layer disposed over the first protective layer, wherein said second protective layer comprises multiple sub-layers that further comprise an alternating series of two or more first polymeric sub-layers and two or more first high density sub-layers, wherein said multiple sub-layers comprise at least one sub-layer of a second material and at least one sub-layer of a third material, and wherein said first, second and third materials differ from one another.
5. (Currently amended) The protected OLED ~~organic-optoelectronic~~ device of claim 4, wherein said organometallic material is selected from the group consisting of phthalocyanines and porphyrins.
6. (Currently amended) The protected OLED ~~organic-optoelectronic~~ device of claim 5, wherein said organometallic material comprises copper phthalocyanine.
7. (Cancelled)

U.S. Serial No. 10/028,465

8. (Cancelled)
9. (Cancelled)
10. (Currently amended) The ~~protected organic optoelectronic device of claim 2~~ protected OLED device of claim 4, wherein said alternating series comprises 3 to 7 first polymeric sub-layers and 3 to 7 first high-density sub-layers.
11. (Currently amended) The ~~protected organic optoelectronic device of claim 2~~ protected OLED device of claim 4, wherein said substrate comprises one or more polymeric materials selected from the group consisting of polyesters, polyolefins, polycarbonates, polyethers, polyimides and polyfluorocarbons.
12. (Currently amended) The ~~protected organic optoelectronic device of claim 2~~ protected OLED device of claim 4, wherein said one or more polymeric sub-layers comprise a material selected from fluorinated polymers, parylenes, perylenes, cyclotenes and polyacrylates.
13. (Currently amended) The ~~protected organic optoelectronic device of claim 2~~ protected OLED device of claim 4, wherein said one or more high-density sub-layers comprise a material selected from metals, metal oxides, metal nitrides, metal carbides and metal oxynitrides.
14. (Currently amended) The ~~protected organic optoelectronic device of claim 2~~ protected OLED device of claim 4, wherein the first protective layer is disposed over the active region and contacts the cathode.
15. (Currently amended) The ~~protected organic optoelectronic device of claim 2~~ protected OLED device of claim 4, wherein the first protective layer is disposed over the active region and contacts the anode.

U.S. Serial No. 10/028,465

16. (Currently amended) ~~The protected organic optoelectronic device of claim 2~~ protected OLED device of claim 4, wherein at least one of said polymeric sub-layers is a polyacrylate disposed over and contacting said first protective layer.
17. (Cancelled)
18. (Currently amended) ~~The protected organic optoelectronic device of claim 16~~ protected OLED device of claim 16, wherein said organometallic material comprises copper phthalocyanine.
19. (Currently amended) ~~The protected organic optoelectronic device of claim 2~~ protected OLED device of claim 4, further comprising a getter layer provided between said first and second protective layers.
20. (Currently amended) ~~The protected organic optoelectronic device of claim 2~~ protected OLED device of claim 4; further comprising end caps extending from a top surface of the device, downwardly along lateral edges of the device, and into contact with the substrate.
21. (Original) A protected OLED device comprising a
- (a) a substrate;
 - (b) an active region positioned on said substrate, wherein said active region comprises an anode layer, a cathode layer and a light-emitting layer disposed between the anode layer and the cathode layer;
 - (c) a first protective layer comprising an organometallic material disposed over the active region; and
 - (d) a second protective layer disposed over the first protective layer, wherein said second protective layer comprises multiple sub-layers that further comprise an alternating series of two or more first polymeric sub-layers and two or more first high density sub-layers.

U.S. Serial No. 10/028,465

22. (Original) The protected OLED device of claim 21, wherein said organometallic material is selected from the group consisting of phthalocyanines and porphyrins.

23. (Original) The protected OLED device of claim 22, wherein said organometallic material is copper phthalocyanine.

24. (Previously presented) The protected OLED device of claim 21, wherein at least one of said polymeric sub-layers is disposed over and contacts said first protective layer.

25. (Original) The protected OLED device of claim 24, wherein said polymeric sub-layer is a material selected from the group consisting of fluorinated polymers, parylenes, perylenes, cyclotenes and polyacrylates.

26. (Original) The protected OLED device of claim 25, wherein said polymeric sub-layer is a polyacrylate.

27. (Original) The protected OLED device of claim 26, wherein said organometallic material is copper phthalocyanine.

28-38. (Cancelled)